



PRODUCT DATASHEET

GENERAL

Biocide for use in livestock drinking water systems for the removal of biofilm, organic material and reduction of pathogens.

MODE OF ACTION

Sodium chlorate is highly effective against certain pathogenic Enterobacteriaceae such as salmonella and e. coli. The chlorate ion is metabolized in these bacteria to produce an intracellular ion (chlorite) that is toxic and kills the bacteria. It is specific to pathogenic Enterobacteriaceae because this group of bacteria have a respiratory nitrate reductase activity (*Benner 1984, Manual of Systemic Bacteriology Vol 1.*)(*Byrd et al 2003, Poultry Science 82:1403-1406*). Hydrogen peroxide is a strong oxidizing agent that kills bacteria, parasites, and pathogens such as salmonella, E. coli and cryptosporidium on contact by oxidization of the cell membranes.

INGREDIENTS

Hydrogen peroxide (25%) (CAS# 7722-84-1), Sodium chlorate (15%) (CAS# 7775-09-9), Water (60%), Oxidation Stabilizer.

DOSAGE AND DIRECTIONS FOR USE

For sanitation and disinfection during washing (when animals are not drinking water):

Mix KripClean® at a ratio of 5 liters per 100 liters of water. Let it stand in the pipes and tanks for at least 20 minutes. Afterward, flush thoroughly to remove all biofilm and organic material loosened by KripClean®. Finally, fill the system with clean potable drinking water.

For load reduction in drinking water and gut while animals are drinking water:

Mix KripClean® at a ratio of 5 liters per 1000 liters of water. Allow fresh water to refill as animals drink, enabling gradual dilution.

WARNINGS

Product is corrosive. Ingestion or inhalation of concentrated product may be harmful. Keep out of reach of children and uninformed persons. Use only as directed. In case of accidental ingestion, seek immediate medical attention. Refer to the MSDS for complete safety and first aid information.



HANDLING AND STORAGE

Handle the product with care using appropriate personal protective equipment (PPE) such as gloves, apron, and eye protection. Avoid contact with skin, eyes, and prevent splashing. Store in a cool, dry, well-ventilated, and locked area, away from heat, ignition sources, and organic materials. Do not store on wooden pallets. Prevent spillage and crystal formation, as the dry product is highly flammable. Maintain storage temperatures between 5 °C and 40 °C. Refer to the MSDS for full guidelines.

PACKAGING

Packed in 1L, 5L and 25L plastic containers with venting lids.

